In the claims:

Cancel claims 2, 3 and 9 without prejudice.

Amend the following claims:

1. Piezoelectric actuator having a piezoelectric element (2; 21) for actuating a mechanical component with a pulling or pushing force, and a compensating element (3; 22), wherein the piezoelectric element (2) and the compensating element (3; 22) basically have the same temperature expansion coefficients, and wherein the compensating element (3; 22) is mechanically coupled to the piezoelectric element (2; 21) in such a fashion that the temperature-induced expansions of the piezoelectric element (2; 21) and the compensating element (3; 22) cancel each other out in the effective direction in such a fashion that the actuating element remains in the position, and wherein a heat transfer compound (12) is located between the piezoelectric element (2; 21) and the compensating element (3; 22).

4. Piezoelectric actuator to claim [3] 10, characterized in that the pretensioning spring (6) and the piezoelectric element (2) are located in tandem.

- 6. Piezoelectric actuator according to claim [8] 10, characterized in that the pretensioning spring (23) and the piezoelectric element (21) are situated parallel to each other.
- 7. Piezoelectric actuator according to [claims] <u>claim 10</u>, characterized in that the pretensioning spring is formed out of at least one zigzag spring (6; 23).
- 8. Piezoelectric actuator according to [claims] claim 1, characterized in that the piezoelectric element (2; 21) is composed of a multilayer structure of the transversely arranged, ceramic piezoelectric plies that become longer in the effective direction when an external electric voltage is applied, and the compensating element (3; 22) is made of ceramic.

## Amended claims:

- 1. Piezoelectric actuator having a piezoelectric element (2; 21) for actuating a mechanical component with a pulling or pushing force, and a compensating element (3; 22), wherein the piezoelectric element (2) and the compensating element (3; 22) basically have the same temperature expansion coefficients, and wherein the compensating element (3; 22) is mechanically coupled to the piezoelectric element (2; 21) in such a fashion that the temperature-induced expansions of the piezoelectric element (2; 21) and the compensating element (3; 22) cancel each other out in the effective direction in such a fashion that the actuating element remains in the position, and wherein a heat transfer compound (12) is located between the piezoelectric element (2; 21) and the compensating element (3; 22).
- 4. Piezoelectric actuator to claim 10, characterized in that the pretensioning spring (6) and the piezoelectric element (2) are located in tandem.
- 6. Piezoelectric actuator according to claim 10, characterized in that the pretensioning spring (23) and the piezoelectric element (21) are situated parallel to each other.

- 7. Piezoelectric actuator according to claim 10, characterized in that the pretensioning spring is formed out of at least one zigzag spring (6; 23).
- 8. Piezoelectric actuator according to claim 1, characterized in that the piezoelectric element (2; 21) is composed of a multilayer structure of the transversely arranged, ceramic piezoelectric plies that become longer in the effective direction when an external electric voltage is applied, and the compensating element (3; 22) is made of ceramic.

## Add the following claims:

10. Piezoelectric actuator having a piezoelectric element (2; 21) for actuating a mechanical component with a pulling or pushing force, and a compensating element (3; 22), wherein the piezoelectric element (2) and the compensating element (3; 22) basically have the same temperature expansion coefficients, and wherein the compensating element (3; 22) is mechanically coupled to the piezoelectric element (2; 21) in such a fashion that the temperature-induced expansions of the piezoelectric element (2; 21) and the compensating element (3; 22) cancel each other out in the effective direction in such a fashion that the actuating element remains in the position, and wherein the piezoelectric element (2; 21) is supported on one end on a fixed support plate (9), which fixed support plate (9) bears against the housing (7) for the piezoelectric actuator (1; 20) via a spring (10) and which is connected at the other end to a pretensioning spring (6; 23), in turn, is held against the fixed support plate (9) with its other end, and that the compensating element (3; 22) basically lies parallel to the piezoelectric element (2; 21) and is also held against the fixed support plate (9) with one end and solidly abuts the housing (7) with the other end.

11. Piezoelectric actuator having a piezoelectric element (2;

21) for actuating a mechanical component with a pulling or pushing force, and a compensating element (3; 22), wherein the piezoelectric element (2) and the compensating element (3; 22) basically have the same temperature expansion coefficients, and wherein the compensating element (3; 22) is mechanically coupled to the piezoelectric element (2; 21) in such a fashion that the temperature-induced expansions of the piezoelectric element (2; 21) and the compensating element (3; 22) cancel each other out in the effective direction in such a fashion that the actuating element remains in the position, and wherein the piezoelectric element (2, 21) is composed of a multilayer structure of transversely arranged, ceramic piezoelectric plies that become longer in the effective direction when an external electric voltage is applied, and that the compensating element (3; 22) is composed of piezoelectric plies arranged in the longitudinal direction that become shorter in the effective direction when an external electric voltage is applied.